



Section D

300 Area Facility Transition

PROJECT MANAGERS

B. Bilson, RL
(509) 376-6628

L.J. Olguin, FH
(509) 372-8233

INTRODUCTION

The 300 Area Facility Transition, Project Baseline Summary (PBS) RL-RC06, Work Breakdown Structure (WBS) 3.1.6, consists of 324 and 327 Facility Safe Shutdown, Miscellaneous Radiological Facilities Deactivation, and Project Management and Support.

NOTE: Unless otherwise noted, all information contained herein is as of the end of October 2002.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that no milestones are due and one milestone is overdue from FY 2002.

NOTABLE ACCOMPLISHMENTS

The 324 Building staff shipped the spent nuclear fuel segments and fragments to the Central Waste Complex; all boiling water reactor fuel from B and D Cells was loaded into the Rod Consolidation Assembly and preparation activities commenced for Shielded Materials Facility (SMF) waste load out. In addition, engineering studies were completed for the SMF materials open test assembly sample disposition and South Cell waste load out, and one 55-gallon drum of mixed waste was shipped to the Central Waste Complex.

The 327 Building staff shipped PNNL Legacy Waste containers 15 and 16 to the Central Waste Complex, completed packaging of basement waste, and deactivated the Area Radiation Monitors. Additionally, the Accelerated Site Technology Deployment (ASTD) met the DOE-HQ milestone to have all equipment ready for deployment, and completed data acquisition in G and H Cells with the Instrument Pod and Copper Foil process.

The 300 Area Miscellaneous Facilities staff completed the initial 313-N cold weather protection activities, resumed surveillance and maintenance at the 313-N Building and continued excavations to isolate 333 Building water.

SAFETY

All Central Plateau Remediation Project (CP) Safety and Conduct of Operations information is reported in section G.

BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

Breakthroughs

Monolithic Removal of 327 Hot Cells — Intact removal of the 327 hot cells appears to be a technically feasible approach to accelerated 300 Area closure and to have potentially significant ALARA and schedule/cost benefits. Certification that the hot cells can be disposed of as non-Transuranic waste is key to adopting monolithic removal as the technical baseline. CP was successful in obtaining Accelerated Site Technology Deployment (ASTD) funding (\$935K) to purchase in-situ characterization instruments that will lead to the eventual low-level waste certification. Data from the Neutron Detection Instrument Pod and Copper Foil Activation Analysis indicates that the residual TRU in both G and H cells is well below the limit for LLW/TRU determination. The ASTD commitment to deploy these instruments in two cells is complete and analysis reports are expected before the end of the fiscal year.

Opportunities for Improvement

None to report.

UPCOMING ACTIVITIES

Contract Transition — Support transfer of FH scope to River Corridor Closure Contract (RCCC). Received a modification that changed the date from July 1, 2002, to "at direction of the Contracting Officer." FH ready to initiate transition upon direction from RL.

MILESTONE ACHIEVEMENT FH Contract Milestones

MSN	Title	Type	Due Date	Actual Date	Forecast Date	Status/Comments
TRP-02-701	Support RCP Contract Transition Plan	PI	6/30/02	N/A	TBD	A Baseline Change Request (BCR) which proposes deletion of this milestone due to the delays in awarding the River Corridor Contract and the approved modification of PI expectation was submitted to RL on 9/11/02. Awaiting RL approval.
TRP-03-912	SNF Segments/Fragments Packaging and Removal Complete	RL	2/28/03		11/20/02	Ahead of schedule
TRP-03-911	SNF Assemblies/Rods Packaging and Removal Complete	RL	3/28/03		11/20/02	Ahead of schedule
TRP-00-915	324 LWHS Ready for Use	RL	9/30/03			On Schedule

PERFORMANCE OBJECTIVES

Outcomes: Restore the River Corridor for Multiple Uses

Performance Indicator	Status
FHI-M8 – 300 Area Cleanup	
Measure 1: Accelerate 300 Area Cleanup	
Expectation 1: Deactivate 324/327 Buildings	
Base: Complete 27% remaining 324/327-baseline work by June 30, 2002.	Complete.
Base: Complete B Cell cleanout and shipment of B Cell waste to 200 Area Burial Grounds.	Complete.
Stretch: Complete additional 2.5% remaining 324/327-baseline work.	Complete.
Expectation 2: Disposition surplus facilities	
Base: Disposition 3902A, 3802B & 303-K by September 30, 2001.	Complete.
Expectation 3: Disposition uranium billets, uranium dioxide, scrap materials in 200/300 Areas, and 303-K thorium-232 by September 30, 2001.	Complete.

Measure 2: Support RC contract transition

Expectation 1:

Stretch: Support RC contract transition by July 1, 2002.

Received a modification to the PI that changed the date from July 1, 2002, to "at direction of the contracting officer." FH ready to initiate transition upon direction from RL.

FHI-M8A – 300 Area Cleanup

Measure 1: Maintain Progress on 300 Area Cleanup

Expectation 1: 324 Building Spent Nuclear Fuel removal

Base 1: Complete transfer of two NAC-1 casks by September 30, 2002.

Complete.

Base 2: Complete transfer of two additional NAC-1 casks by November 20, 2002.

Complete.

Stretch: Complete transfer of fifth NAC-1 cask by November 20, 2002.

Complete.

Measure 2: Accelerate Progress on 300 Area Cleanup

Expectation 1: Accelerate removal of Spent Nuclear Fuel and Special Nuclear Materials from the 324 Building

Super Stretch 1: Complete transfer of sixth NAC-1 cask by November 20, 2002, or 90 days after award of River Corridor Contract, but not later than December 20, 2002.

On schedule to complete by November 20, 2002.

Super Stretch 2: Complete transfer of pins and pieces by November 20, 2002, or 90 days after award of River Corridor Contract, but not later than December 20, 2002.

Shipment complete. Documents to be submitted to RL in November.

ISSUES

Technical Issues, Regulatory Issues, DOE Issues, External Issues and DOE Requests

None to report.

BASLINE CHANGE REQUESTS CURRENTLY IN PROCESS

BCR No. Level 4 WBS	Date Originated	Description	Impact		Date Approved	Status
			Days	Dollars (\$000s)		
RC06-02-007 3.1.6.4	4/22/02	River Corridor Prj (RCP) Transition Activities		\$624		BCR will be held until the River Corridor Contract is awarded.
RC06-02-010 3.1.6.4	8/19/02	Delete Milestone TRP-02-701 for River Corridor Contract Award and Transition				Approved and implemented.
RC06-03-001 3.1.6.1	10/4/02	Authorize Performance of 324 SNF/SNM Superstretch		NA	10/18/02	Approved and implemented.